

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Docket Number (Optional) 15977-3		Application Number 10/646,502	
		Applicant(s) SUNGHO JIN			
		Filing Date August 23, 2003		Group Art Unit 2812	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB		6,297,592	10-2001	Goren et al.	315	3.5	
		6,538,367	03-2003	Choi et al.	313	309	
		6,283,812	09-2001	Jin et al.	445	24	
		2003/0096104	05-2003	Tobita et al.	428	332	
		6,187,604	02-2001	Gilton	438	20	
		5,637,539	06-1997	Hofmann et al.	438	20	
		6,141,470	10-2000	Espindola et al.	385	37	
		6,124,650	09-2000	Bishop et al.	310	40	
		5,811,916	09-1998	Jin et al.	313	311	
		6,519,075	02-2003	Carr et al.	359	291	
		6,574,026	06-2003	Jin et al.	359	224	
		6,391,670	05-2002	Wells et al.	438	20	
		6,620,640	09-2003	Gilton	438	20	
RB		2002/0146853	10-2002	Karpov et al.	438	20	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	TRANSLATION	
							Yes	No
RB		EP 1 184 888	03-2002	Howard et al.	H01J21	10		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RB	Gilmour, Jr., A.S., "Microwave Tubes," Artech House, pgs. 191-313 (1986)	
RB	Brodie, I., et al., "Vacuum Microelectronics," Advances in Electronics and Electron Physics, Vol. 83, pgs. 1-106 (1992)	
RB	Bower, C., et al., "On-chip vacuum microtriode using carbon nanotube field emitters," Applied Physics Letters, Vol. 80, No. 20, pgs. 3820-3822 (May 20, 2002)	

Examiner Signature <i>Robert A. Boster</i>	Date Considered <i>08/22/05</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-4820 (also form PTO-1449)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Docket Number (Optional) 15977-3	Application Number 10/646,502		
				Applicant(s) SUNGHO JIN			
				Filing Date August 23, 2003	Group Art Unit 2812		

U.S. PATENT DOCUMENTS

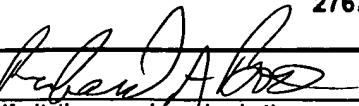
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	TRANSLATION Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RJS	Rinzler, A.G., et al., "Unraveling Nanotubes: Field Emission from an Atomic Wire," Science, Vol. 269, pgs. 1550-1553 (September 15, 1995)
	de Heer, Walt A., et al., "A Carbon Nanotube Field-Emission Electron Source," Science, Vol. 270, pgs. 1179-1180 (November 17, 1995)
	Saito, Y., et al., "Field Emission Patterns from Single-Walled Carbon Nanotubes," Jpn. J. Appl. Phys., Vol. 36, Part 2, No. 10A, pgs. L1340-L1342 (October 1, 1997)
	Wang, Q.H., et al., "Field emission from nanotube bundle emitters at low fields," Appl. Phys. Lett., Vol. 70, No. 24, pgs. 3308-3310 (June 16, 1997)
	Saito, Y., et al., "Cathode Ray Tube Lighting Elements with Carbon Nanotube Field Emitters," Jpn. J. Appl. Phys., Vol. 37, Part 2, No. 3B, pgs. L346-L348 (March 15, 1998)
	Wang, Q.H., et al., "A nanotube-based field-emission flat panel display," Applied Physics Letters, Vol. 72, No. 22, pgs. 2912-2913 (June 1, 1998)
	Bonard, Jean-Marc, et al., "Field emission from single-wall carbon nanotube films," Applied Physics Letters, Vol. 73, No. 7, pgs. 918-920 (August 17, 1998)
	Liu, J., et al., "Fullerene Pipes," Science, Vol. 280 pgs. 1253-1256 (May 22, 1998)
	Li, W.Z., et al., "Large-Scale Synthesis of Aligned Carbon Nanotubes," Science, Vol. 274, pgs. 1701-1703 (December 6, 1996)
	Tans, Sander J., et al., "Individual single-wall carbon nanotubes as quantum wires," Nature, Vol. 386, pgs. 474-477 (April 3, 1997)
	Fan, S., et al., "Self-Oriented Regular Arrays of Carbon Nanotubes and Their Field Emission Properties," Science, Vol. 283, pgs. 512-514 (January 22, 1999)
RJS	Bower, C., et al., "Nucleation and growth of carbon nanotubes by microwave plasma chemical vapor deposition," Applied Physics Letters, Vol. 77, No. 17, pgs. 2767-2769 (October 23, 2000)

Examiner Signature 	Date Considered 08/22/05
--	--------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 15977-3		Application Number 10/646,502	
				Applicant(s) SUNGHO JIN			
				Filing Date August 23, 2003		Group Art Unit 2812	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	TRANSLATION Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Dean, K., et al., "The environmental stability of field emission from single-walled carbon nanotubes," <i>Applied Physics Letters</i> , Vol. 75, No. 19, pgs. 3017-2019 (November 8, 1999)					
		Adachi, H., et al., "Stable carbide field emitter," <i>Appl. Phys. Lett.</i> , Vol. 43, No. 7, pgs. 702-703 (October 1, 1993)					
		Huang, M., et al., "Room-Temperature Ultraviolet Nanowire Nanolasers," <i>Science</i> , Vol. 292, pgs. 1897-1899 (June 8, 2001)					
		Aggarwal, S., et al., "Spontaneous Ordering of Oxide Nanostructures," <i>Science</i> , Vol. 287, pgs. 2235-2237 (March 24, 2000)					
		Luo, Y., et al., "Nanoshell tubes of ferroelectric lead zirconate titanate and barium titanate," <i>Applied Physics Letters</i> , Vol. 83, No. 3, pgs. 440-442 (July 21, 2003)					
		Ren, Z.F., et al., "Synthesis of Large Arrays of Well-Aligned Carbon Nanotubes on Glass," <i>Science</i> , Vol. 282, pgs. 1105-1107 (November 6, 1998)					
		Bower, C., "Plasma-induced alignment of carbon nanotubes," <i>Applied Physics Letters</i> , Vol. 77, No. 6, pgs. 830-832 (August 7, 2000)					
		Merkulov, V., "Shaping carbon nanostructures by controlling the synthesis process," <i>Applied Physics Letters</i> , Vol. 79, No. 8, pgs. 1178-1180 (August 20, 2001)					
		Teo, K., et al., "Plasma enhanced chemical vapour deposition carbon nanotubes/nanofibres-how uniform do they grow?," <i>Nanotechnology</i> , Vol. 14, pgs. 204-211 (2003)					
			Mackie, W., et al., "Emission and Processing Requirements For Carbide Films On Mo Field Emitters," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 509, pgs. 173-178 (1998)				
Examiner Signature		Date Considered 08/22/05					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-A820 (also form PTO-1449)